

and a 2.5 per cent. solution of potassium bichromate for the red blood corpuscles; the white were not counted.

To demonstrate the changes in the hemoglobin and in the number of red corpuscles, I report here the history of a girl, sixteen years old, affected with marked chlorosis. The disease was of almost two months' duration and attended with general functional disturbance. There were present mental anxiety, a disinclination to work, to enjoy life, or move about, marked muscular weakness, cardiac palpitation, difficulty in breathing, loss of appetite, headache, vertigo, restless sleep, alternating with sleeplessness. The patient came from healthy parents, had previously been always healthy, and menstruated for the first time in her fifteenth year, but scantily and irregularly. Marked pallor of the skin and mucous membranes was noted; the lungs were normal. The area of cardiac dulness was enlarged toward the right side; blowing murmurs were heard over all the valves, and a bruit over the jugular vein. The radial artery was very small and soft; the pulse frequency 110. The spleen and liver were normal in size; there were no glandular swellings; the bones were not tender to pressure. The urine contained no abnormal constituents.

The percentage of hemoglobin in the blood was 35 per cent.; the number of red blood cells, 2,700,000 to the cubic millimetre. The white cells were not increased; otherwise the condition of the blood was normal.

The treatment was as follows: The patient was advised to live on a mixed diet, with an abundance of fresh air and moderate out-door exercise. She also took three teaspoonfuls of Pepto-Mangan daily.

The increase of hemoglobin and of the number of red corpuscles is shown in the following:

	Hemoglobin.	Red Corpuscles.	
At the end of 1st week,	45%	3,260,000	} To the cubic millimetre.
" " 2nd "	60%	4,100,000	
" " 3rd "	70%	4,500,000	
" " 4th "	75%	4,900,000	

Before proceeding with the history of this case I would emphasize the fact that the number of red blood cells increased more than one and one-half million, while the increase of hemoglobin amounted to more than 100 per cent. Such marked improvement in the condition of the blood under the treatment with Gude's Pepto-Mangan was not unusual, but rather the rule in chlorosis. And it may be assumed with certainty that the above-